

POLYESTER, AND BLOW MOLDED ARTICLE, SHEET-LIKE ARTICLE, AND STRETCHED FILM MADE THEREOF

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Abstract

PROBLEM TO BE SOLVED: To provide a polyester excellent in controllability of crystallization during melt molding and in long-time continuous moldability; a blow molded article which has good clarity and thermal dimensional stability, exhibits a suitable shrinkage at the cap section, and, when used as a liquid container, does not cause remaining strange taste and odor to occur; and a sheet-like article and a stretched film both having good clarity and thermal dimensional stability.

SOLUTION: This polyester mainly comprises repeating ethylene terephthalate units, and when it is melted at 290 deg.C for 60 min, the increase in the amount of a cyclic trimer is 0.30 wt.% or lower. In the polyester, the content of a cyclic trimer is 0.35 wt.% or lower; the average density of chips of the polyester is 1.3950 g/cm³ or higher; the density of the outer layer of the chip is 1.4030 g/cm³ or lower; and the difference in density between the central layer and the outer layer of the chip is 0.0015-0.0050 g/cm³.

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